

Please amend page 16, line 1 as follows:

Claims What is claimed is:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) Method of producing a radiolabelled gallium complex by reacting a Ga^{3+} radioisotope with a chelating agent characterised in that the reaction is carried out using microwave activation.
2. (Original) Method according to claim 1 wherein the Ga^{3+} radioisotope is selected from the group consisting of $^{66}\text{Ga}^{3+}$, $^{67}\text{Ga}^{3+}$ and $^{68}\text{Ga}^{3+}$.
3. (Currently amended) Method according to ~~claims 1 and 2~~ claim 1 wherein the Ga^{3+} radioisotope is $^{68}\text{Ga}^{3+}$.
4. (Currently amended) Method according to ~~claims 1 to 3~~ claim 1 wherein the chelating agent is a macrocyclic chelating agent.
5. (Currently amended) Method according to ~~claims 1 to 4~~ claim 1 wherein the chelating agent comprises hard donor atoms, preferably O and N atoms.
6. (Currently amended) Method according to ~~claims 1 to 5~~ claim 1 wherein the chelating agent is a bifunctional chelating agent.
7. (Currently amended) Method according to ~~claims 1 to 6~~ claim 1 wherein the chelating agent is a bifunctional chelating agent comprising a targeting vector selected from the group consisting of proteins, glycoproteins, lipoproteins, polypeptides, glycopolypeptides, lipopolypeptides, peptides, glycopeptides, lipopeptides,

carbohydrates, nucleic acids, oligonucleotides or a part, a fragment, a derivative or a complex of the aforesaid compounds and small organic molecules.

8. (Original) Method according to claim 7 wherein the target vector is a peptide or oligonucleotide.
9. (Currently amended) Method according to ~~claims 1 to 8~~ claim 1 wherein the microwave activation is carried out at 80 to 120 W, preferably at 90 to 110 W.
10. (Currently amended) Method according to ~~claims 1 to 9~~ claim 1 wherein the microwave activation is carried out for 20 s to 2 min, preferably for 30 s to 90 s.
11. (Currently amended) Method according to ~~claims 3 to 10~~ claim 3 wherein the $^{68}\text{Ga}^{3+}$ is obtained by contacting the eluate from a $^{68}\text{Ge}/^{68}\text{Ga}$ generator with an anion exchanger and eluting $^{68}\text{Ga}^{3+}$ from said anion exchanger.
12. (Original) Method according to claim 11 wherein the $^{68}\text{Ge}/^{68}\text{Ga}$ generator comprises a column comprising titanium dioxide.
13. (Currently amended) Method according to ~~claims 11 to 12~~ claim 11 wherein the anion exchanger comprises HCO_3^- as counterions.
14. (Currently amended) Method according to ~~claims 11 to 13~~ claim 11 wherein the anion exchanger is a strong anion exchanger.
15. (Currently amended) Method according to ~~claims 6 to 14~~ claim 6 for the production of ^{68}Ga -radiolabelled PET tracers.